

## (12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
11 December 2003 (11.12.2003)

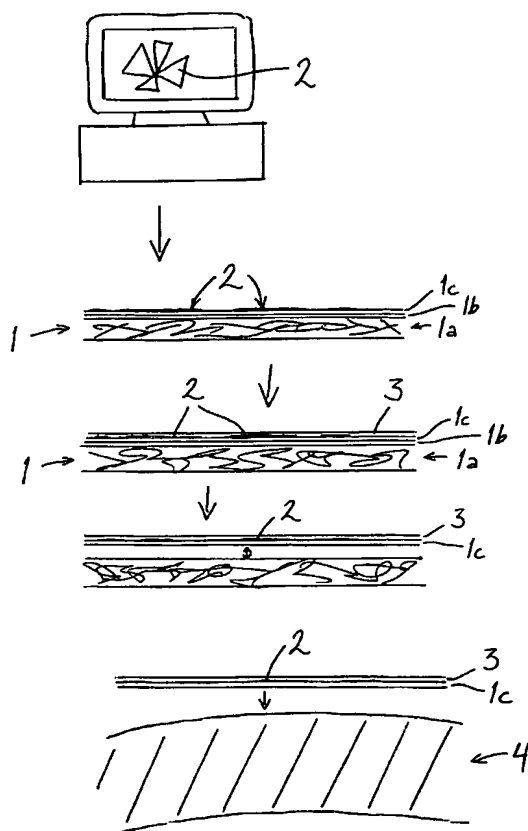
PCT

(10) International Publication Number  
**WO 03/101761 A1**

- (51) International Patent Classification<sup>7</sup>: **B44C 1/17**, (74) Agent: **TAMPEREEN PATENTTITOIMISTO OY**;  
B41M 5/00 Hermiankatu 12 B, FIN-33720 Tampere (FI).
- (21) International Application Number: PCT/FI03/00424
- (22) International Filing Date: 30 May 2003 (30.05.2003)
- (25) Filing Language: Finnish
- (26) Publication Language: English
- (30) Priority Data: 20021053 31 May 2002 (31.05.2002) FI
- (71) Applicant (for all designated States except US): **PERLOS OYJ** [FI/FI]; PL 178, FIN-01511 Vantaa (FI).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **PIMIÄ, Juha** [FI/FI]; Kivelänlahdentie 39, FIN-78310 Varkaus (FI).  
**HEIKKINEN, Teppo** [FI/FI]; Latolankatu 9 G 65, FIN-80106 Joensuu (FI).
- (81) Designated States (*national*): AE, AG, AL, AM, AT (utility model), AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ (utility model), CZ, DE (utility model), DE, DK (utility model), DK, DM, DZ, EC, EE (utility model), EE, ES, FI (utility model), FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK (utility model), SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO,

[Continued on next page]

(54) Title: A METHOD FOR PATTERNING OF THREE-DIMENSIONAL SURFACES



(57) Abstract: The invention relates to a method for patterning of three-dimensional surfaces, in which the pattern (2) is first formed by printing out a colouring agent on a printing medium, after which the pattern is transferred to the surface of an object (4) to be patterned. The colouring agent forming the pattern is left unfixed in connection with forming the pattern, and the fixing is performed separately by means of an auxiliary agent applied onto the pattern (2) or by means of a layer placed on top of the same, after which the pattern (2) is transferred to the surface of the object (4) to be patterned.



SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

**Published:**

— *with international search report*